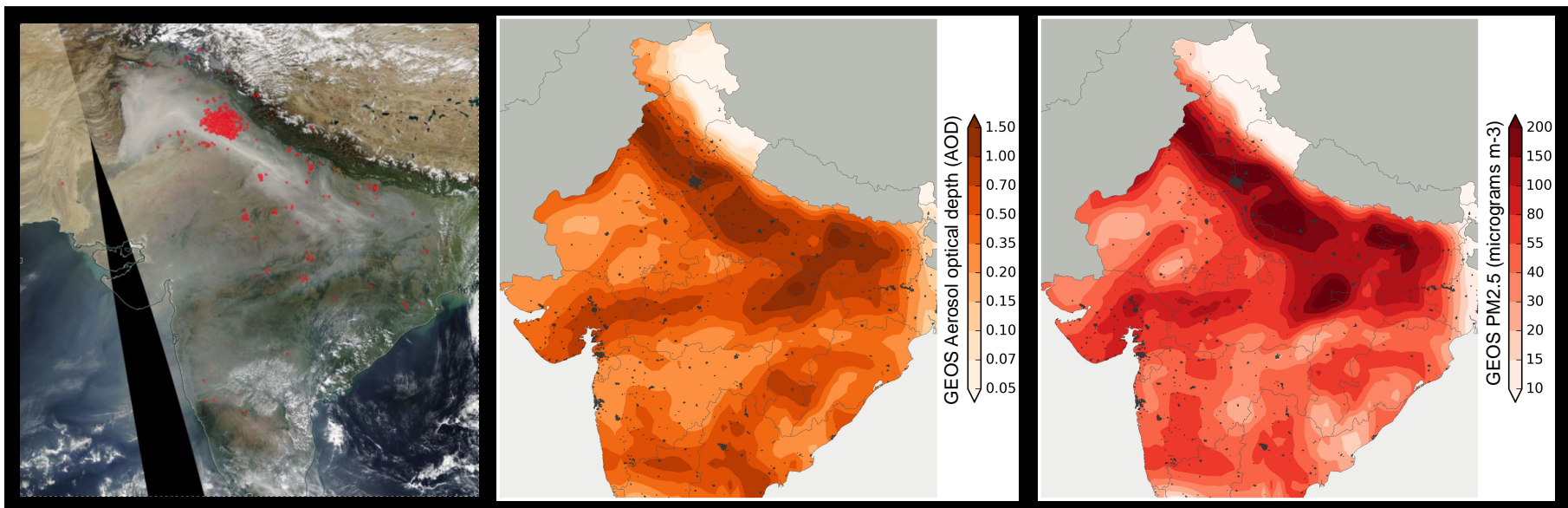




Taking Air Pollution to the Extreme

Agricultural Burning and the Air Over Northern India in 2016



The GEOS FP system captures the elevated pollution over India, shown for 08Z on November 6, 2016. This major pollution event caused extremely unhealthy air masses in New Delhi and the broad region in early November. With its computation of aerosol and pollutant emissions from fires detected by MODIS, the GEOS FP system provided realistic estimates of this surface pollution as well as strong evidence that the source was from agricultural burning practices that are prevalent at this time of year. The plots compare MODIS true-color imagery (left, showing fires as red dots) with GEOS estimates of AOD (middle) and PM_{2.5} (right).